

[BIOREMEDIATION OF NITROGENOUS CONTAMINANTS]

Abstract of Disclosure

A novel process for the remediation of nitrogenous energetic materials such as 1,3,5,-trinitro-1,3,5-triazine (RDX) which can be used in situ on contaminated media is provided. The process comprises the bioremediation by one or more microorganisms capable of metabolizing the energetic materials. Examples of such microorganisms include *Rhizobium rhizogenes*, *Burkholderia* sp., and *Cladosporium cladosporioides* (ATCC 66669). Strains of these microorganisms have been deposited. The strain designated A1 has been deposited as *Rhizobium rhizogenes* BL (ATCC PTA-4110) and the strain designated C8 has been deposited as *Burkholderia* sp. (ATCC PTA-4111). Additionally, with the addition of a carbon source, such as a sugar, the process can totally degrade the energetic materials in two to three days.

Figures